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Application Serial Number: 10/632,949  
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Date Processed by STIC: 8-13-03

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Revised 04/24/2003



OIEP

## RAW SEQUENCE LISTING

DATE: 08/13/2003

PATENT APPLICATION: US/10/632,949

TIME: 08:42:52

Input Set : N:\FANTU\10632949.txt

Output Set: N:\CRF4\08132003\J632949.raw

3 <110> APPLICANT: TOYO SUISAN KAISHA, LTD.  
 4 ISHIMA, Masahiro  
 5 YOSHIDA, Tsutomu  
 6 YAMAZAKI, Takayuki  
 7 SUGAWARA, Fumio  
 8 HATTA, Kiyoshige  
 9 SHIMOJOE, Manabu  
 10 MASAKI, Kazuyoshi  
 12 <120> TITLE OF INVENTION: NOVEL PEPTIDES, DERIVATIVES THEREOF, PROCESS FOR  
 13 PRODUCING THE SAME, NOVEL STRAIN PRODUCING THE SAME,  
 14 AND ANTIVIRAL AGENT COMPRISING THE SAME AS ACTIVE  
 15 INGREDIENT  
 17 <130> FILE REFERENCE: 01S1531P  
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/632,949  
 C--> 20 <141> CURRENT FILING DATE: 2003-07-31  
 22 <150> PRIOR APPLICATION NUMBER: JP2001-032729  
 23 <151> PRIOR FILING DATE: 2001-02-08  
 25 <160> NUMBER OF SEQ ID NOS: 6  
 27 <170> SOFTWARE: PatentIn Ver. 2.0  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 14  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Pseudomonas sp.  
 34 <400> SEQUENCE: 1  
 35 Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
 36 1 5 10  
 38 <220> FEATURE:  
 39 <221> NAME/KEY: SITE  
 40 <222> LOCATION: (7) and (14)  
 41 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of  
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 42 esterified to make a cyclic structure  
 44 <220> FEATURE:  
 45 <221> NAME/KEY: SITE  
 46 <222> LOCATION: (1)  
 47 <223> OTHER INFORMATION: a 3-hydroxy decanoyl group is bonded to the amino group of  
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 49 <210> SEQ ID NO: 2  
 50 <211> LENGTH: 14  
 51 <212> TYPE: PRT  
 52 <213> ORGANISM: Pseudomonas sp.  
 54 <400> SEQUENCE: 2  
 55 Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
 56 1 5 10

2207 - 2237  
 sections must be  
 above 4007

58 <220> FEATURE:.

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Input Set : N:\FANTU\10632949.txt

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59 <221> NAME/KEY: MUTAGEN  
60 <222> LOCATION: (3), (6), (11), (13)  
61 <223> OTHER INFORMATION: Each of the Gln's at (3), (6), (11), (13) is modified to Dbu,  
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62 2,4-diaminobutyric acid  
64 <220> FEATURE:  
65 <221> NAME/KEY: SITE  
66 <222> LOCATION: (7) and (14)  
67 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of  
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68 esterified to make a cyclic structure  
70 <220> FEATURE:  
71 <221> NAME/KEY: SITE  
72 <222> LOCATION: (1)  
73 <223> OTHER INFORMATION: a 3-hydroxy decanoyl group is bonded to the amino group of  
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75 <210> SEQ ID NO: 3  
76 <211> LENGTH: 14  
77 <212> TYPE: PRT  
78 <213> ORGANISM: Pseudomonas sp.  
80 <400> SEQUENCE: 3  
81 Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
82 1 5 10  
84 <220> FEATURE:  
85 <221> NAME/KEY: MUTAGEN  
86 <222> LOCATION: (3), (6), (11), (13)  
87 <223> OTHER INFORMATION: Each of the Gln's at (3), (6), (11), (13) is modified to Dbu,  
which is  
88 2,4-diaminobutyric acid  
90 <220> FEATURE:  
91 <221> NAME/KEY: SITE  
92 <222> LOCATION: (1)  
93 <223> OTHER INFORMATION: a 3-hydroxy decanoyl group is bonded to the amino group of  
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95 <210> SEQ ID NO: 4  
96 <211> LENGTH: 14  
97 <212> TYPE: PRT  
98 <213> ORGANISM: Pseudomonas sp.  
100 <400> SEQUENCE: 4  
101 Leu Glu Gln Val Leu Gln Ser Val Val Leu Gln Leu Gln Leu  
102 1 5 10  
104 <220> FEATURE:  
105 <221> NAME/KEY: SITE  
106 <222> LOCATION: (7) and (14)  
107 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of  
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108 (14) esterified to make a cyclic structure  
110 <220> FEATURE:  
111 <221> NAME/KEY: SITE  
112 <222> LOCATION: (1)  
113 <223> OTHER INFORMATION: a 3-hydroxy decanoyl group is bonded to the amino group of  
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115 <210> SEQ ID NO: 5

116 <211> LENGTH: 14  
117 <212> TYPE: PRT  
118 <213> ORGANISM: *Pseudomonas* sp.

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Input Set : N:\FANTU\10632949.txt

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120 <400> SEQUENCE: 5  
121 Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
122 1 5 10  
124 <220> FEATURE:  
125 <221> NAME/KEY: SITE  
126 <222> LOCATION: (7) and (14)  
127 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of  
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130 <220> FEATURE:  
131 <221> NAME/KEY: SITE  
132 <222> LOCATION: (1)  
133 <223> OTHER INFORMATION: a 3-hydroxydodec-5-enoyl group is bonded to the amino group  
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134 (1)  
136 <210> SEQ ID NO: 6  
137 <211> LENGTH: 14  
138 <212> TYPE: PRT  
139 <213> ORGANISM: Pseudomonas sp.  
141 <400> SEQUENCE: 6  
142 Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile  
143 1 5 10  
145 <220> FEATURE:  
146 <221> NAME/KEY: MUTAGEN  
147 <222> LOCATION: (2)  
148 <223> OTHER INFORMATION: Glu at (2) is alkylated  
150 <220> FEATURE:  
151 <221> NAME/KEY: SITE  
152 <222> LOCATION: (7) and (14)  
153 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of  
Ile at (14)  
154 esterified to make a cyclic structure  
156 <220> FEATURE:  
157 <221> NAME/KEY: SITE  
158 <222> LOCATION: (1)  
159 <223> OTHER INFORMATION: 3-hydroxy decanoyl group is bonded to the amino group of Leu  
(1)  
164 1

**VERIFICATION SUMMARY**

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L:19 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date